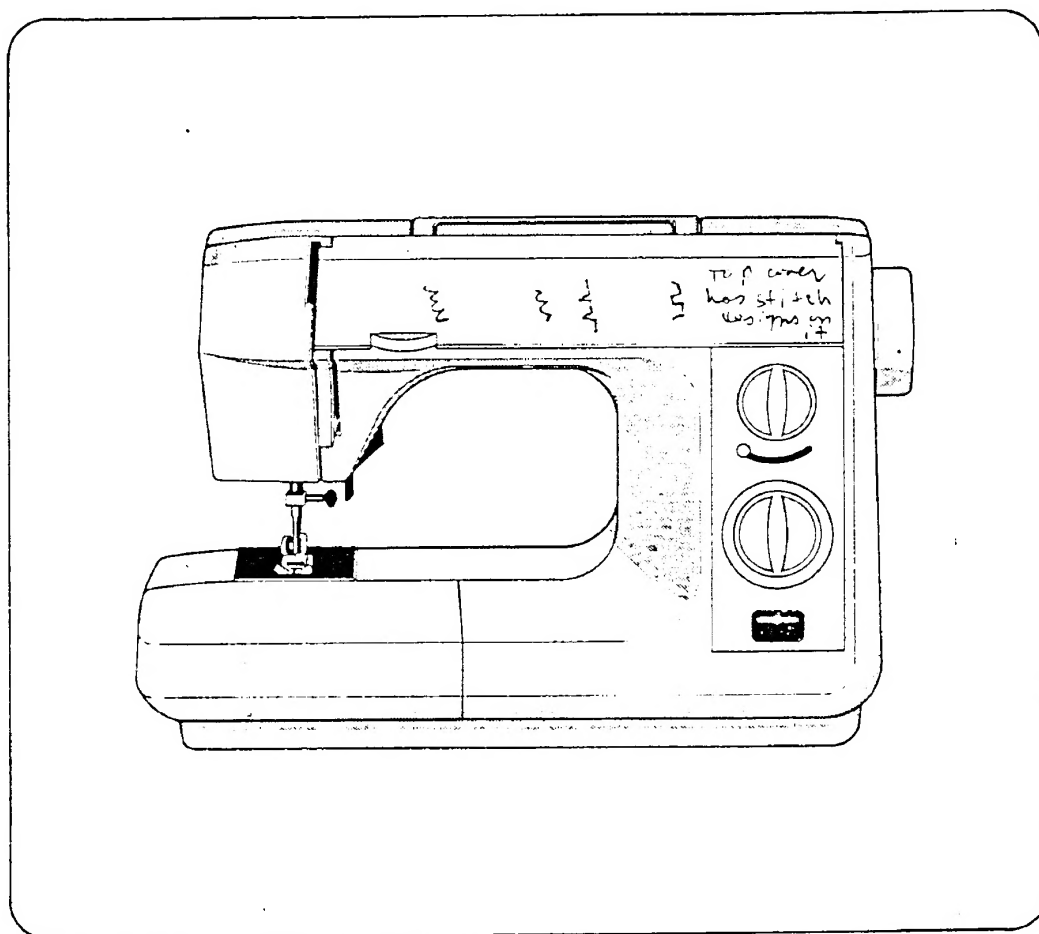


SINGER
3207/3214

173745320

Sewing Machines Parts Catalogue and Service Manual



Model 3207/3214

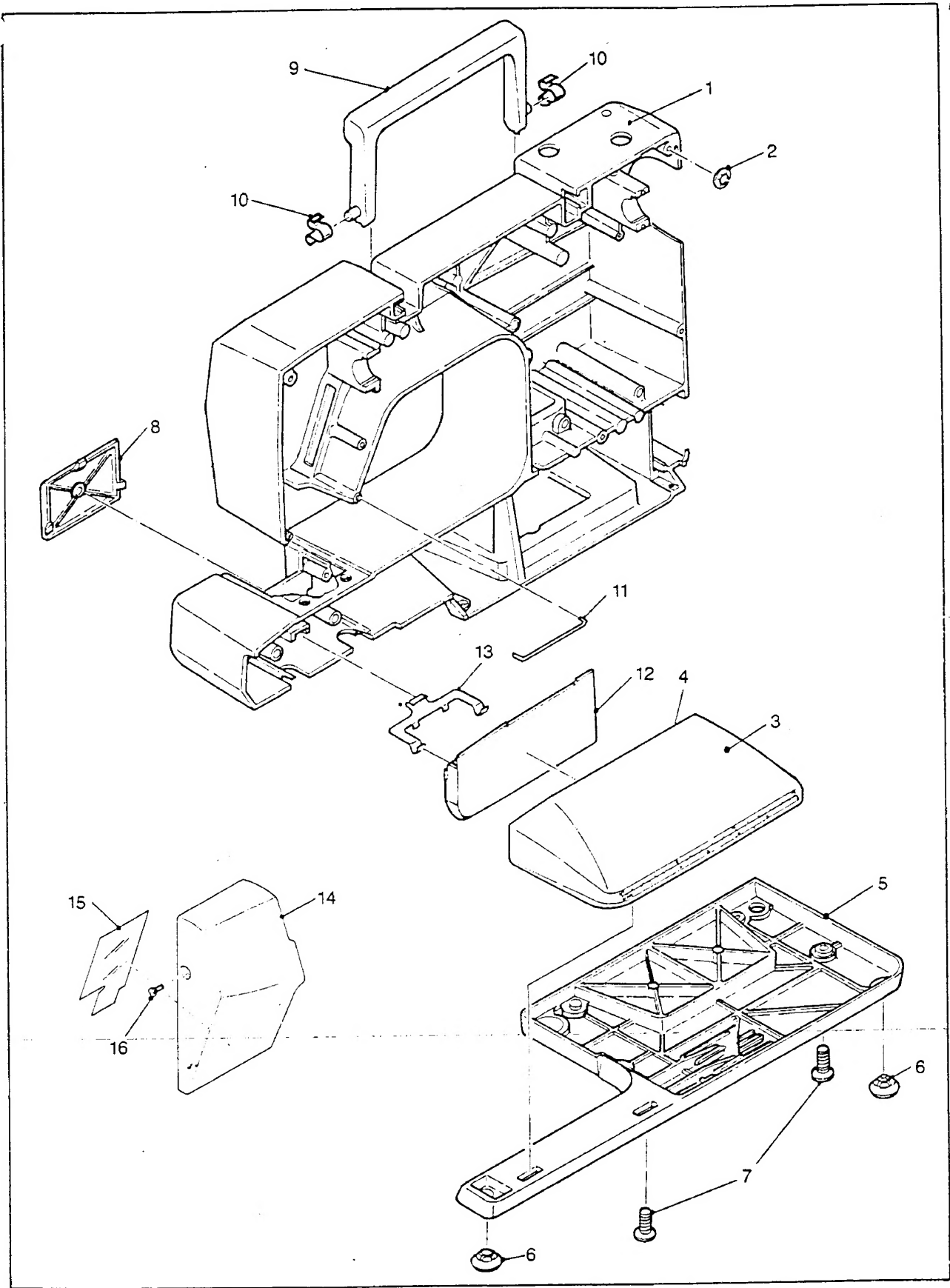
HOW TO USE THIS PARTS CATALOGUE

1. This parts catalogue has been made up on the basis of AUGUST 1989.
2. The parts with no referring number is not available for the order.
3. The order placed with an index number is not acceptable. Be sure to place an order with the reference number and parts name.
For example: 1351009-111 Instruction Book
4. Specific parts is divided into each destination in some cases particularly for electric parts, and when you place an order, check carefully the specifications of the parts you require.
5. The parts are subject to change without previous notice. However, the description of the modification will be notified according to the request. In such a case, place an order in accordance with the description notified to you.

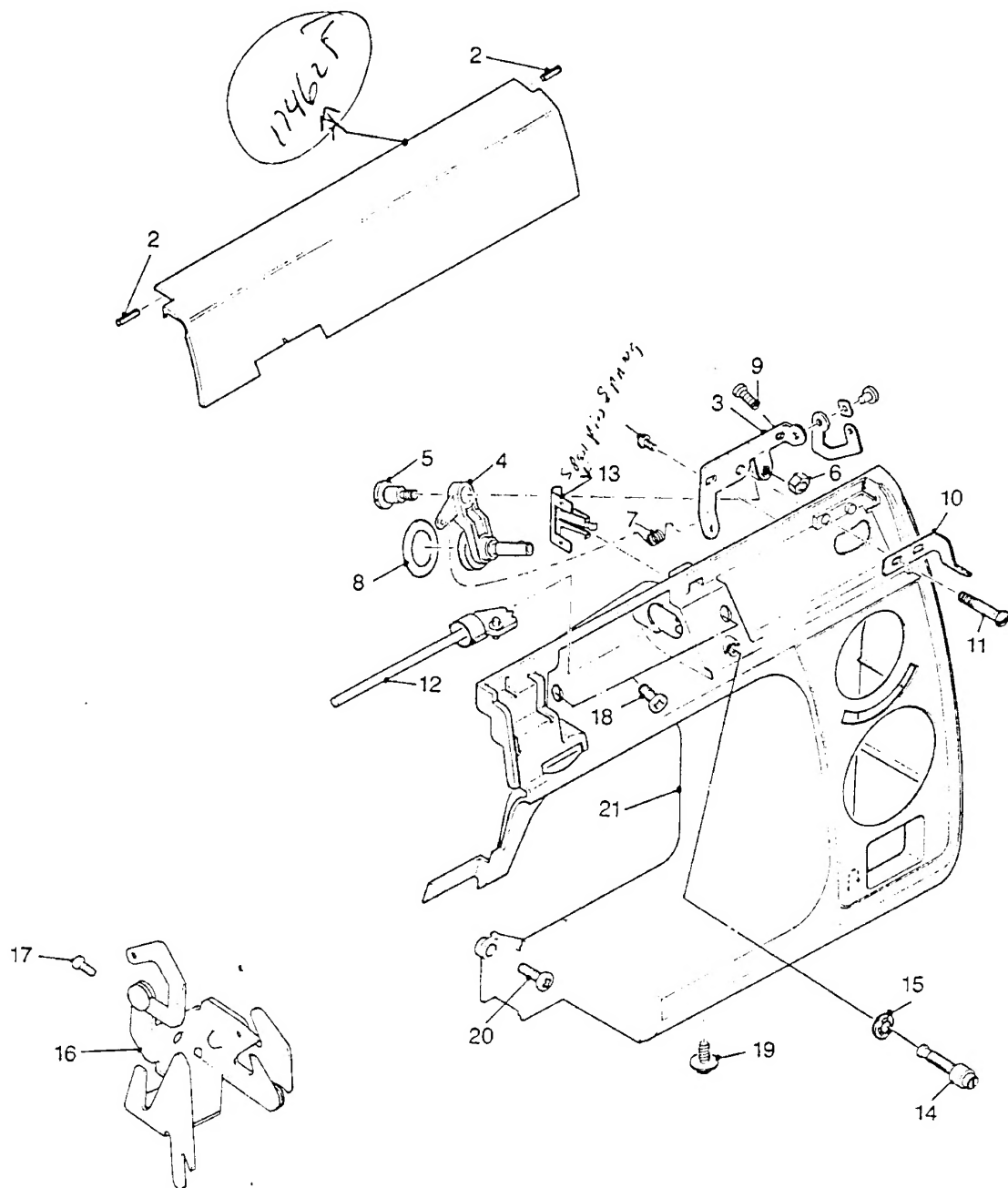
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1. Machine Body Component Parts	1
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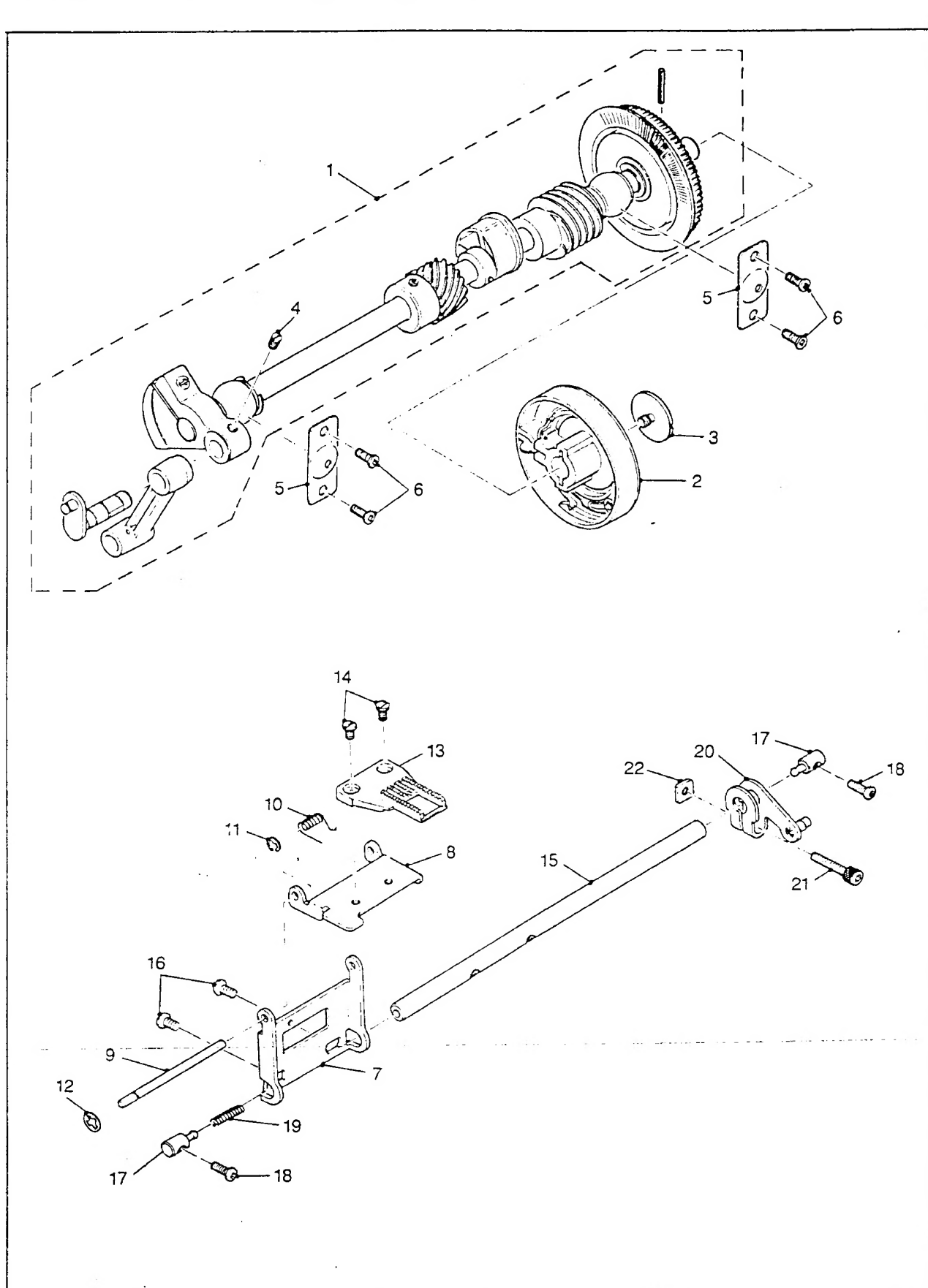
1. Machine Body Component Parts.—①



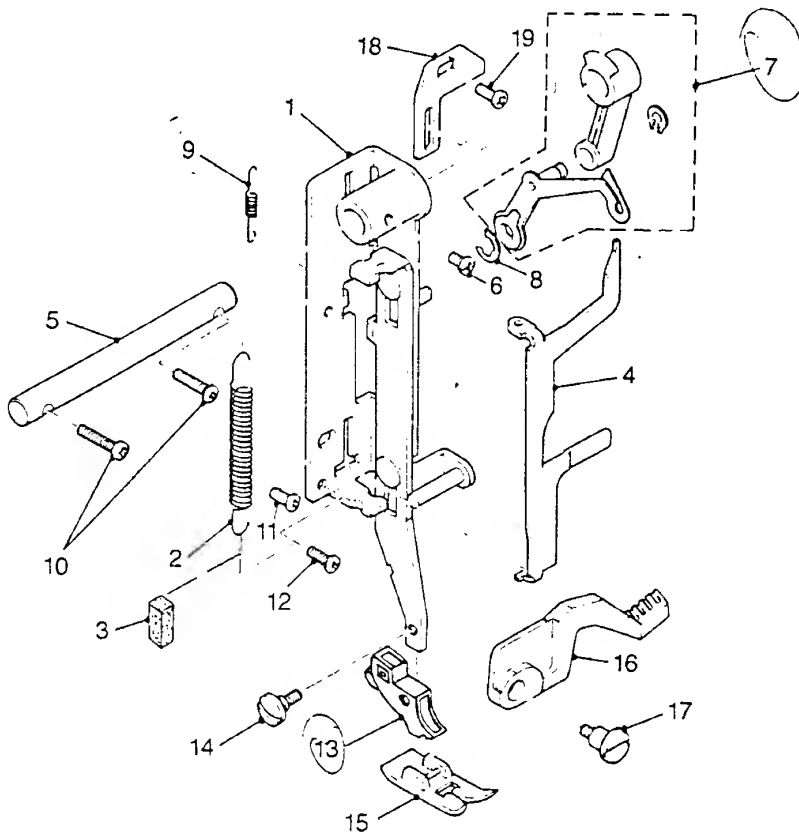
2. Machine Body Component Parts—②



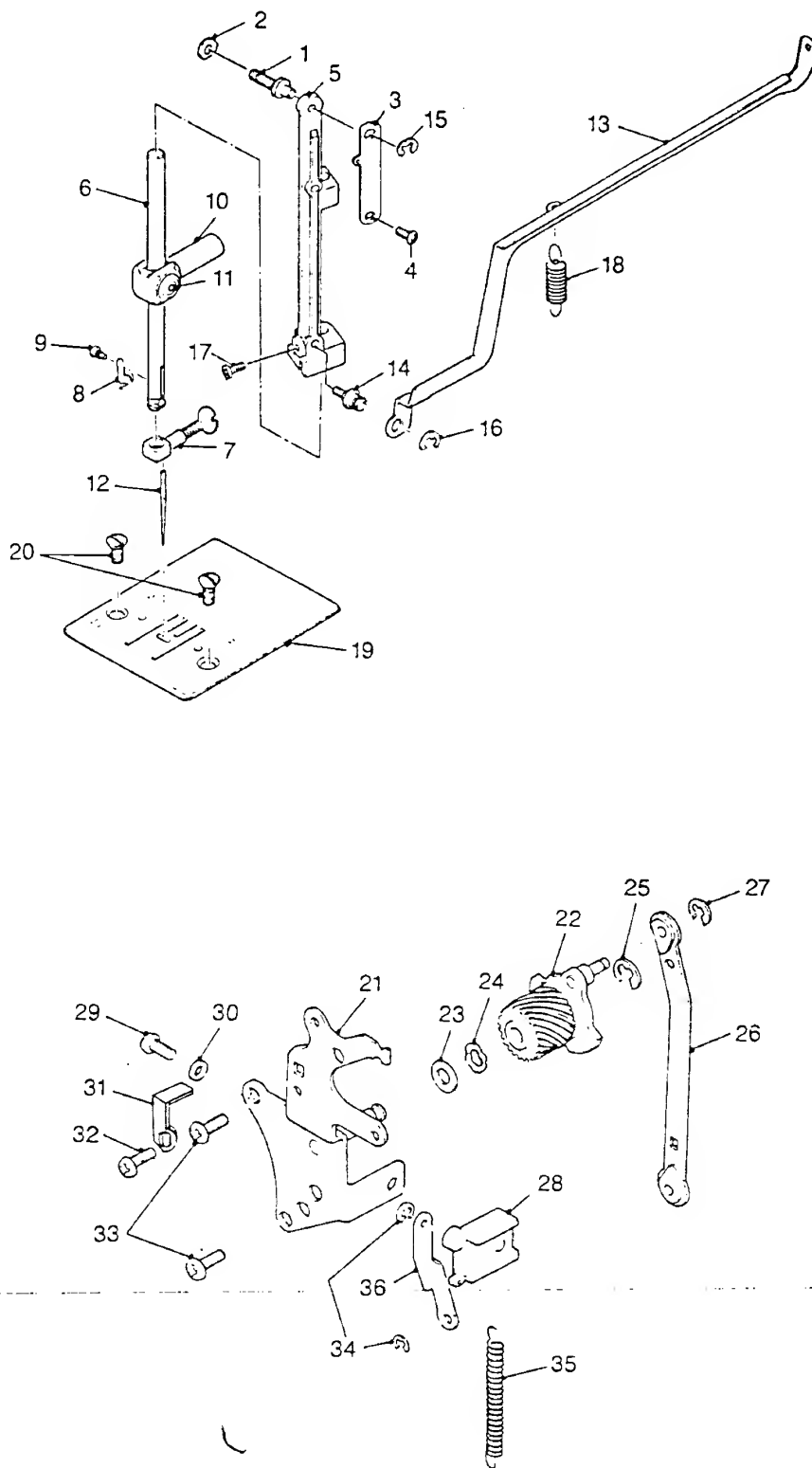
2. Upper Shaft, Feed Regulating Parts



3. Presser Bar Parts

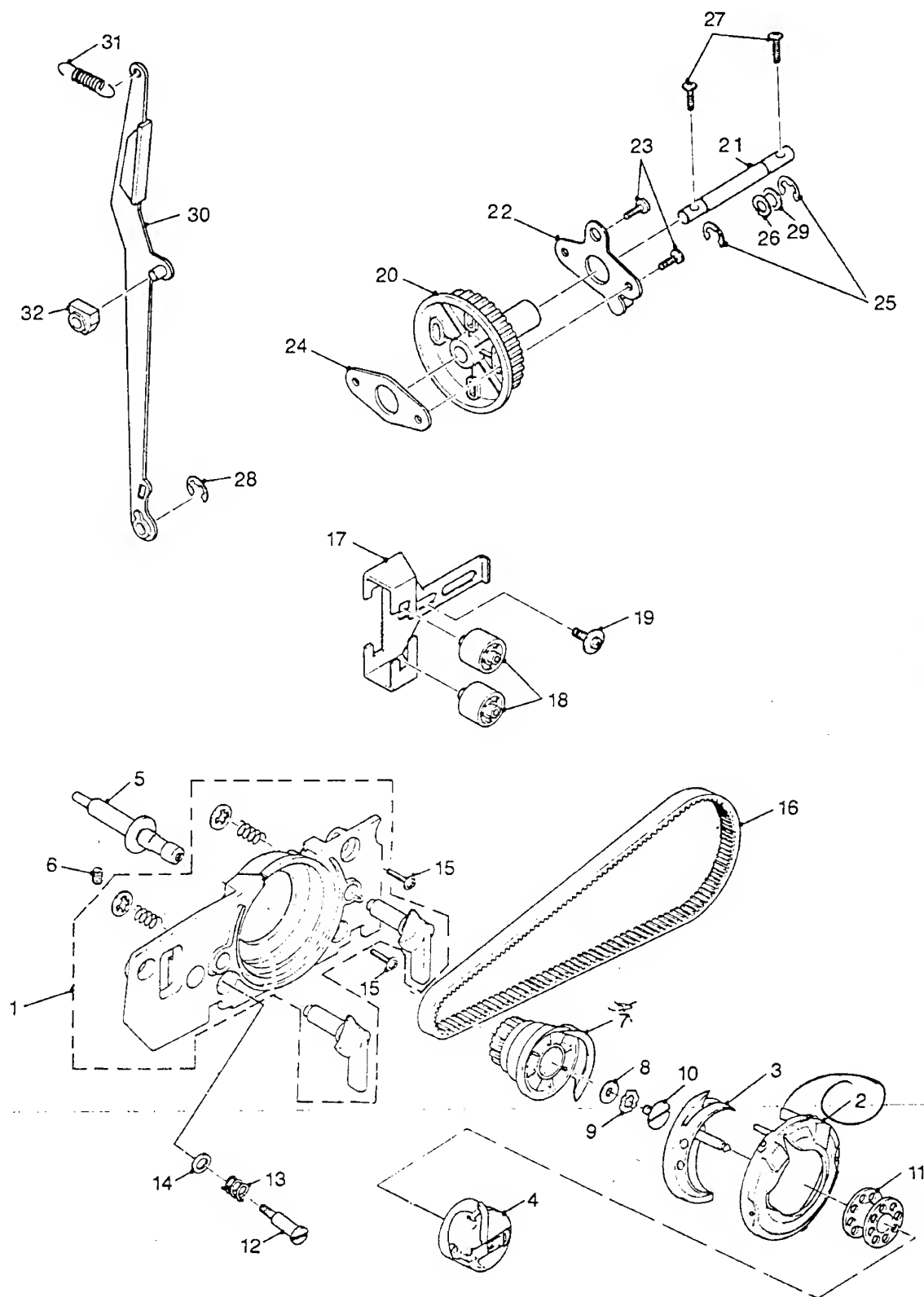


4. Needle Bar, Crank Gear Parts



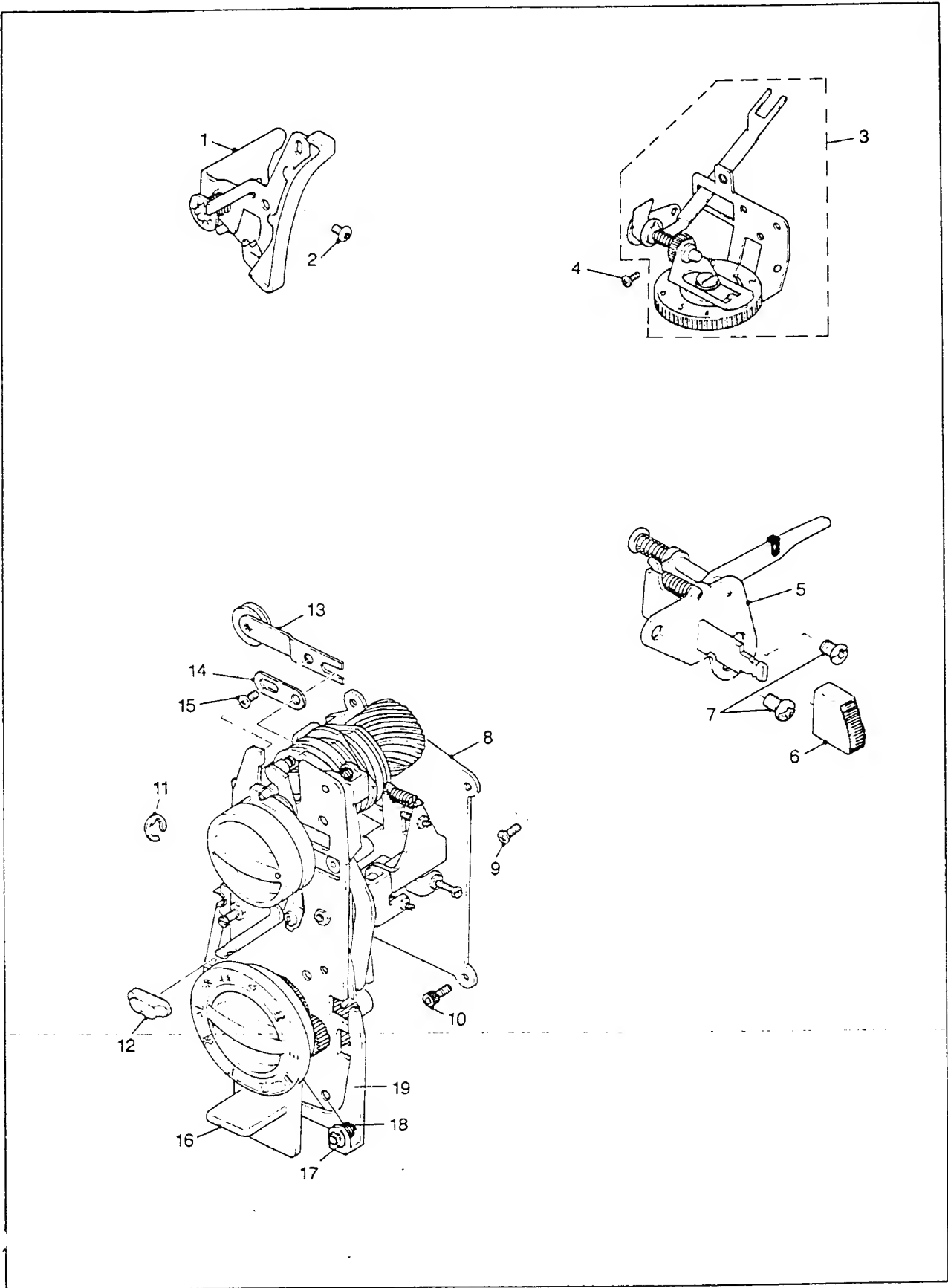
INDEX NO.	PART NO.	REF NO.	PART NAME	QTY	MODEL NO.				NOTE
							3207	3214	
1.	174672	1350002-332	Needle Bar Support Shaft	1			○	○	
2.	175154	30403	Adjustable Nut	1			○	○	
3.	174670	1380002-326	Needle Bar Support Spring	1			○	○	
4.	175110	10941	Set Screw For No. 3	1			○	○	
5.	174671	1360002-331	Needle Bar Support Ass'y	1			○	○	
6.	174668	850002-311	Needle Bar	1			○	○	
7.	174674	350002-343A	Needle Clamp Ass'y	1			○	○	
8.	174673	1350002-341	Needle Bar Thread Guide	1			○	○	
9.	175126	11003	Set Screw For No. C	1			○	○	
10.	174669	1350002-320	Needle Bar Crank Ass'y	1			○	○	
11.	175101	10124	Set Screw For No. 6	1			○	○	
12.	174691	1350002-482	Needle #14	1			○	○	
13.	174853	1350005-511	Connecting Rod	1			○	○	
14.	174855	150005-512	Eccentric Pin	1			○	○	
15.	175162	40102	E-Ring	1			○	○	
16.	175164	40104-A	E-Ring	1			○	○	
17.	175111	10942	Set Screw For No. 14	1			○	○	
18.	174856	1350005-513	Connecting Rod Spring	1			○	○	
19.	174637	1350011-511	Needle Plate	1			○	○	
20.	175103	10401	Set Screw For No. 19	2			○	○	
21.	174762	1350003-305	Gear Plate Ass'y	1			○	○	
22.	174764	1350003-383	Crank Gear Ass'y	1			○	○	
23.	175185	60145	Washer	1			○	○	
24.	175187	60408	Wave Washer	2			○	○	
25.	175163	40103	E-Ring	1			○	○	
26.	174761	1350003-330	Crank Rod Ass'y	1			○	○	
27.	175164	40104-A	E-Ring	1			○	○	
28.	174801	1350004-110	Feed Regulator Ass'y	1			○	○	
29.	175110	10941-B	Set Screw For No. 28	1			○	○	
30.	175184	60141	Washer	1			○	○	
31.	174756	1350003-123	Stopper	1			○	○	
32.	175125	10983	Set Screw For No. 31	1			○	○	
33.	175114	10955	Set Screw For No. 21	2			○	○	
34.	175165	40109	E-Ring	2			○	○	
35.	174803	1350004-123	Feed Regulator Spring	1			○	○	
36.	174907	1350006-631	Reverse Sewing Rod	1			○	○	

5. Feed Regulating, Shuttle Race Parts



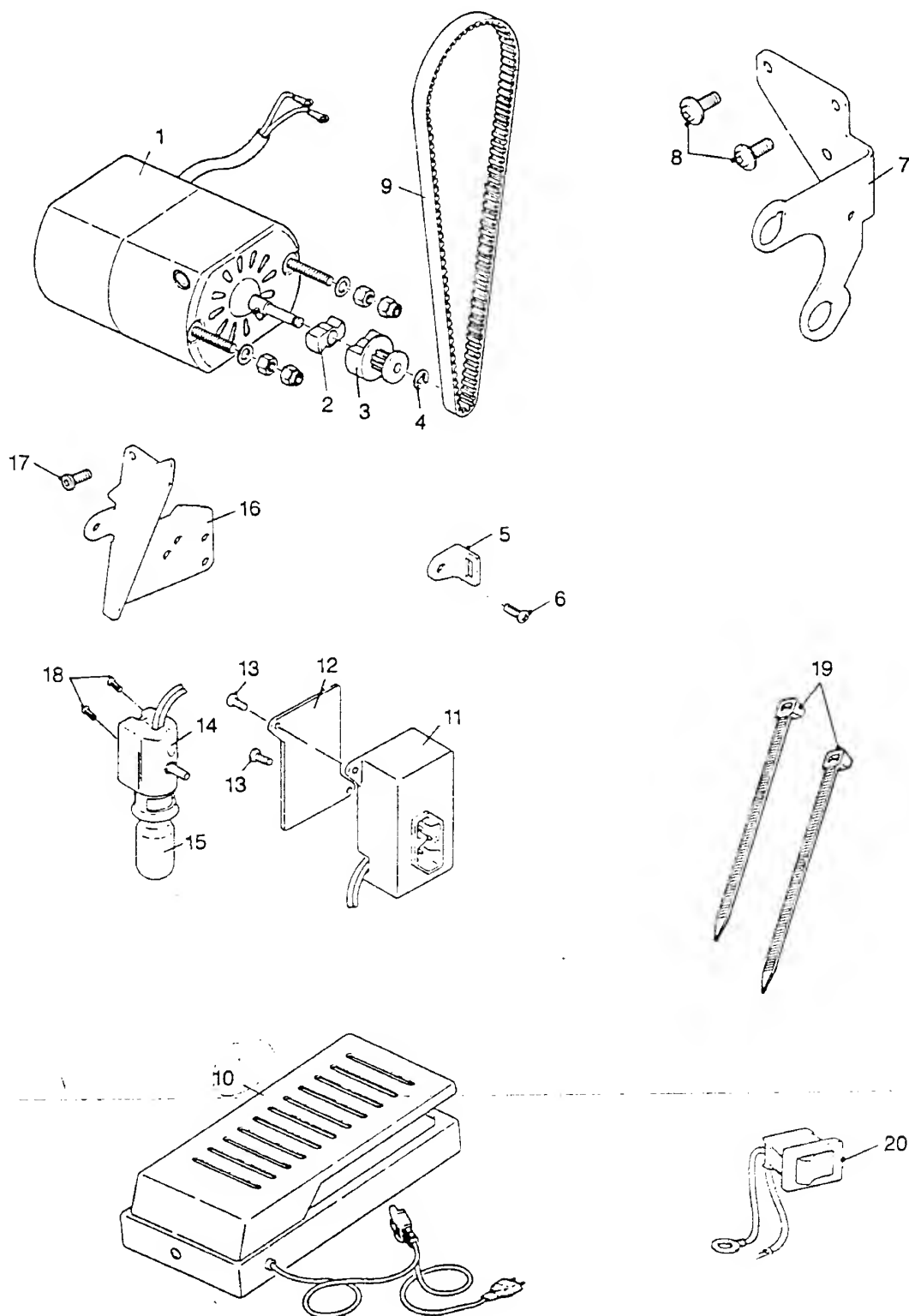
[illegible]

6. Patten Cam Unit, Tension Parts

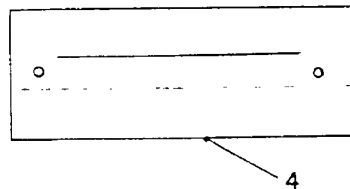
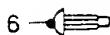
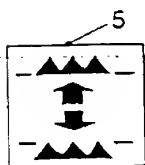
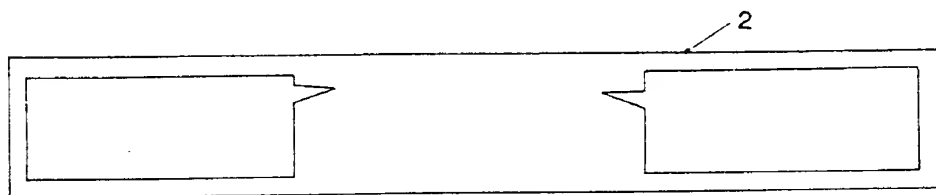
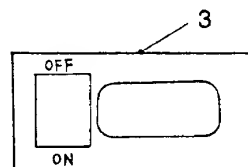
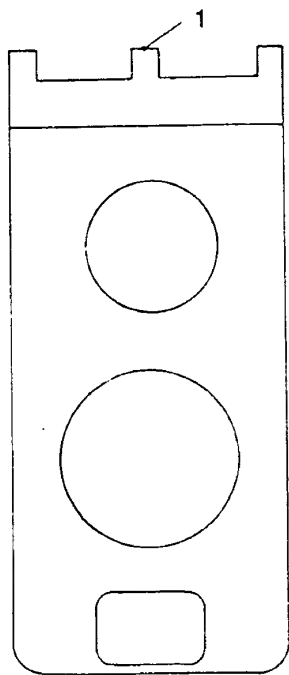


[illegible]

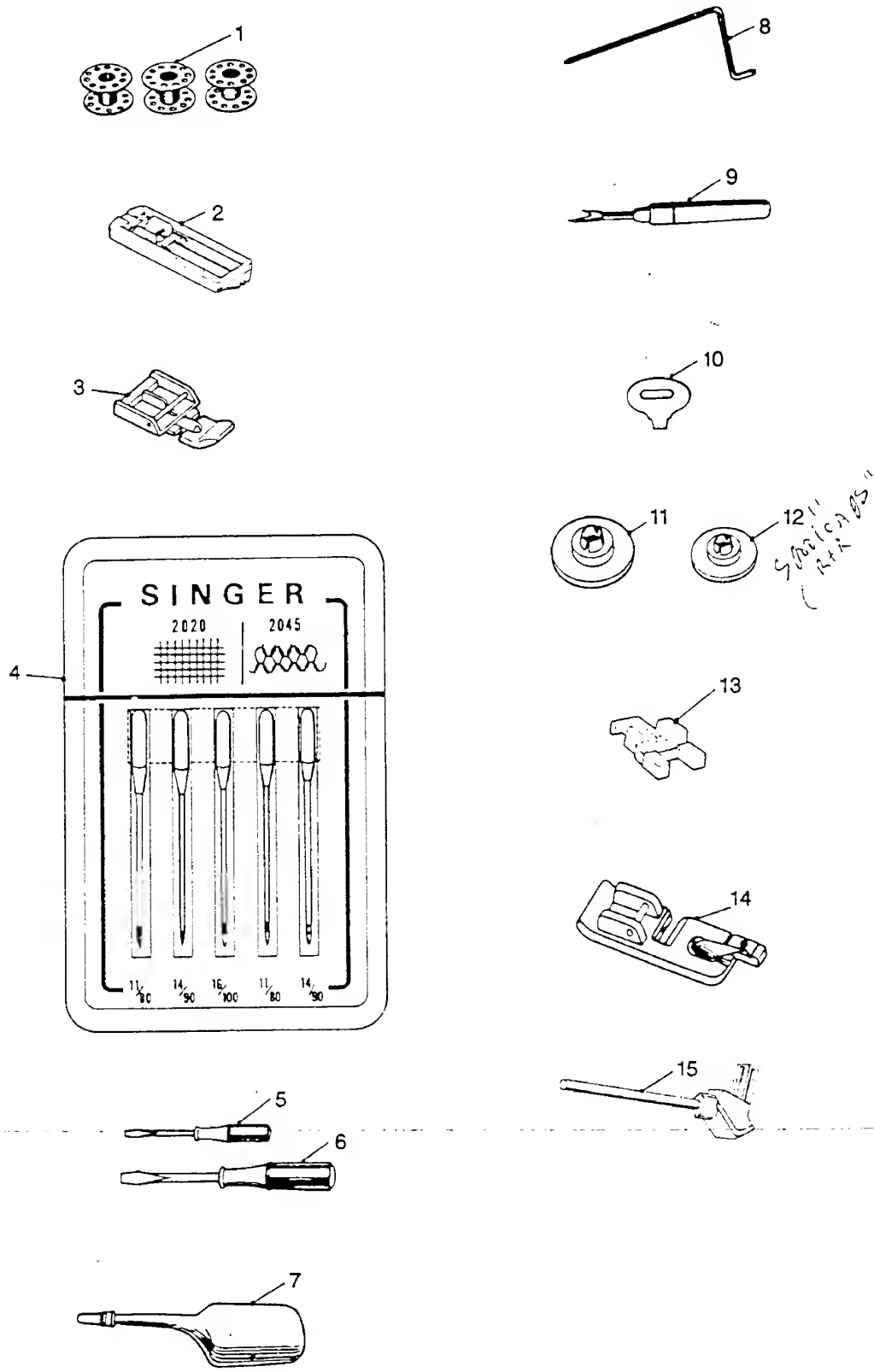
7. Specific Parts —①



Specific Parts—②



8. Accessories

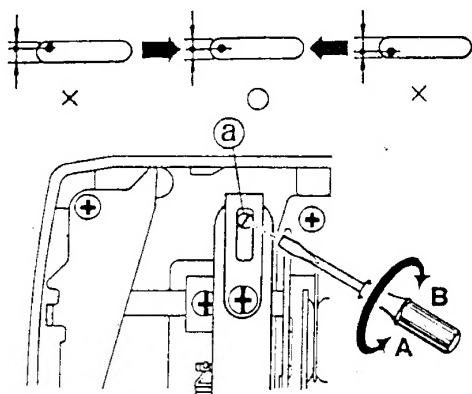


(zigzag motion)

[illegible]

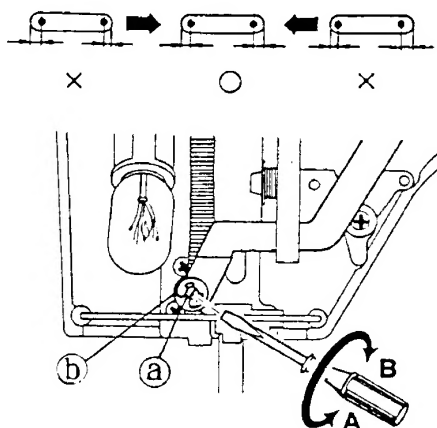
9. Service Manual

1. NEEDLE POSITION FOR STRAIGHT SEWING



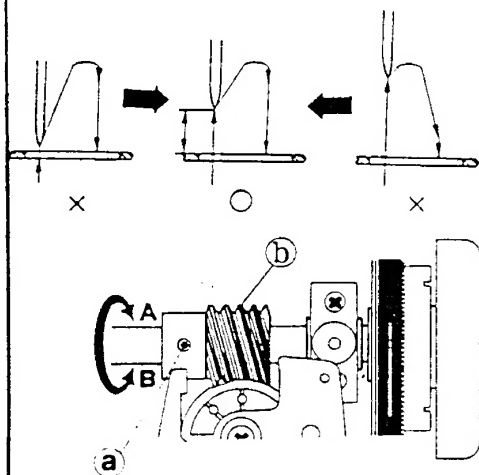
Adjust eccentric Pin (a) in A or B direction.

2. NEEDLE POSITION FOR ZIGZAG SEWING



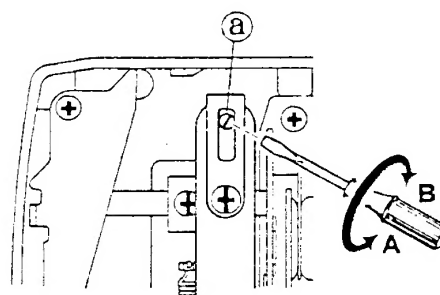
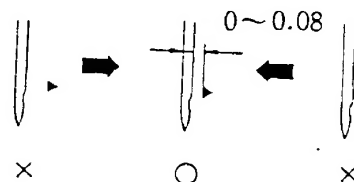
- 1) Loosen screw (b).
- 2) Adjust eccentric Pin (a) in A or B direction.
- 3) Tighten screw (b).

3. LATERAL MOTION OF THE NEEDLE BAR.



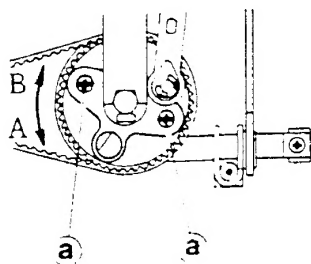
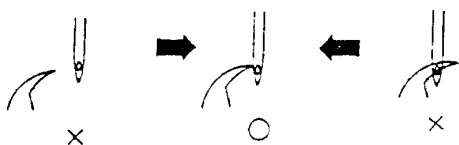
- 1) Loosen Screw (a)
- 2) Hold Worm gear (b)
- 3) Turn balance wheel in the required direction, referring to the diagram.
- 4) Check backlash after adjusting.
- 5) Tighten screw (a)

4. NEEDLE AND HOOK CLEARANCE.



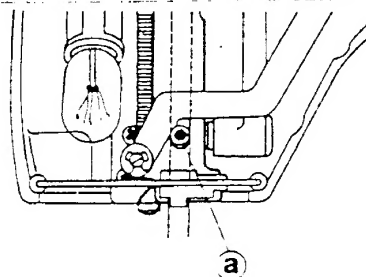
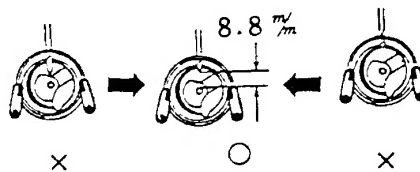
Adjust eccentric Pin (a) in A or B direction.

5. NEEDLE AND HOOK TIMING



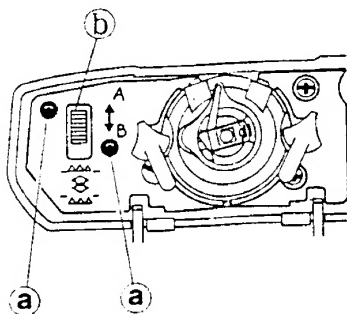
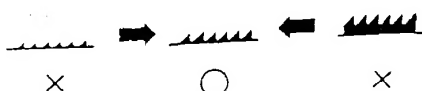
- 1) Raise the needle bar 2.1 ± 0.2 mm from its lowest position.
- 2) Loosen set Screw (a) of crank gear (L).
- 3) Turn crank gear (L) in A or B direction to match the centre of the needle and the point of the hook.
- 4) Tighten screw a of crank gear (L).

6. NEEDLE BAR HEIGHT



- 1) The needle bar goes down to its lowest position.
- 2) Loosen screw (a) .
- 3) Adjust the needle bar in A or B direction.
- 4) Tighten screw (a) .

7. HEIGHT OF THE FEED DOG

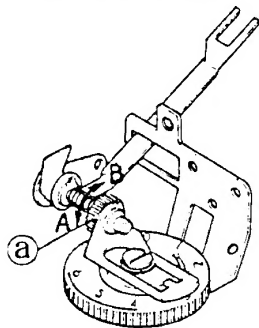


- 1) Loosen screw (a) .
- 2) Adjust the knob (b) in A or B direction.
- 3) Tighten screw (a) .

8. TENSION OF THE UPPER THREAD.



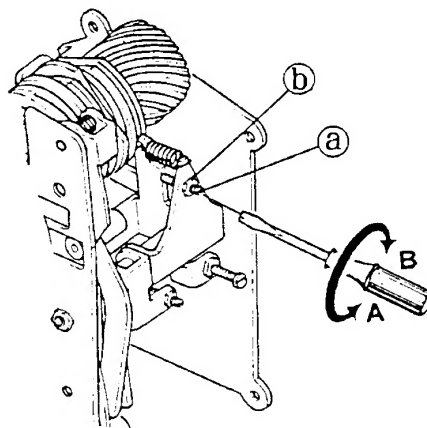
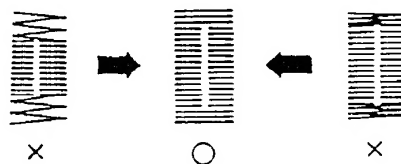
Tension: 110-140gr
(when # 60 cotton thread used)



Adjust the nut (a) in A or B direction.

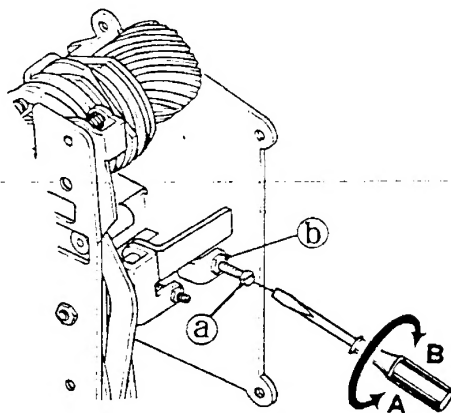
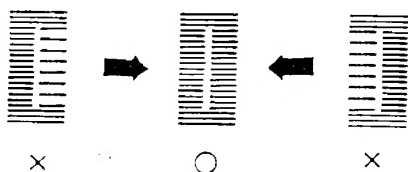
9. BAR TACK IN BUTTON HOLING.

(3D·U)



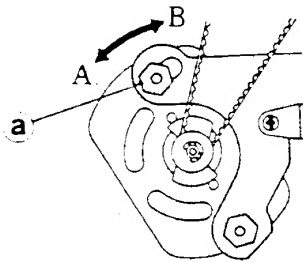
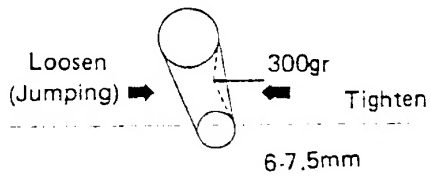
- 1) Do not touch nut (b) .
- 2) Adjust screw (a) in A or B direction.

10. STITCH LENGTH IN BUTTON HOLING.



- 1) Do not touch nut (b) .
- 2) Adjust the screw (a) in A or B direction.

11. MOTOR BELT TENSION.



- 1) Loosen nut (a) .
- 2) Adjust the motor in A or B direction.
- 3) Tighten nut (a) .